

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L1    | 106   | ((SEONG) near2 (YOONI)).INV.   | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2008/08/07<br>15:52 |
| L2    | 83    | ((SEONG) near2 (YOONI)).INV.   | EPO; JPO;<br>DERWENT  | ADJ              | ON      | 2008/08/07<br>15:52 |
| L3    | 11784 | ((423/447.1,447.2,447.3,447.4,447.5,448,449.1,445R) OR<br>428/364,365,367,368) OR (502/314,315,316,325)).OCLS. | US-PGPUB;<br>USPAT;<br>USOCR; JPO                                       | ADJ              | ON      | 2008/08/07<br>15:53 |
| L4    | 689   | l3 and (carbon fiber) and (nm or nanometer)  | US-PGPUB;<br>USPAT;<br>USOCR; JPO                                       | ADJ              | ON      | 2008/08/07<br>16:02 |
| L5    | 217   | l4 and carbon black  | US-PGPUB;<br>USPAT;<br>USOCR; JPO                                       | ADJ              | ON      | 2008/08/07<br>16:03 |
| L6    | 0     | (nexan).as. and l5   | US-PGPUB;<br>USPAT;<br>USOCR; JPO                                       | ADJ              | ON      | 2008/08/07<br>16:03 |
| S3    | 82    | ((SEONG) near2 (YOONI)).INV.   | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2007/12/04<br>10:40 |
| S4    | 67    | ((SEONG) near2 (YOONI)).INV.   | EPO; JPO;<br>DERWENT  | ADJ              | ON      | 2007/12/04<br>10:45 |
| S5    | 631   | 423/447.2.ocls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/12/04<br>10:45 |
| S6    | 545   | 423/447.3.ocls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2007/12/04<br>10:46 |

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| S8  | 4   | ("5458784" or "6156256").pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/04<br>11:03 |
| S9  | 9   | "2001019413" OR "2002105765" Or "2001098430"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/04<br>11:08 |
| S10 | 222 | (nanofiber or nano adj fiber) and carbon near black and (aspect ratio)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/04<br>11:54 |
| S11 | 70  | (nanofiber or nano adj fiber) and carbon near black SAME (nickel or iron or molybdenum) and (aspect ratio)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/04<br>13:40 |
| S12 | 58  | ("2375796"   "2796331"   "4328151"   "4474906"   "4490201"   "4684336"<br>"4855091"   "4855122"   "4859493"   "4915925"   "4940015"   "4999244"<br>"5024818"   "5171489"   "5374415"   "5389400"   "5413773"   "5433906"<br>"5594060").PN. OR ("6156256").URPN. | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>13:45 |
| S13 | 38  | ("5021164").PN. OR ("5458784").URPN.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>13:45 |
| S14 | 61  | S12 or S13 and (carbon black)   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>13:47 |
| S15 | 58  | S12 or S13 and (carbon black SAME nickel)   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>13:49 |
| S18 | 6   | ("6986877" or "5458784" or "6156256").pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/04<br>14:32 |

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| S19 | 631  | 423/447.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2007/12/04<br>15:15 |
| S20 | 545  | 423/447.3.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2007/12/04<br>15:15 |
| S21 | 22   | S19 and S20 and (nanofiber)   | US-PGPUB;<br>USPAT; USOCR  | ADJ | ON | 2007/12/04<br>15:15 |
| S22 | 7    | S21 and carbon black  | US-PGPUB;<br>USPAT; USOCR  | ADJ | ON | 2007/12/04<br>15:15 |
| S23 | 5    | ("20030004058"   "5653951"   "5780101"   "6471936"   "6506355").PN.<br>OR ("7048904").URPN. | US-PGPUB;<br>USPAT; USOCR  | ADJ | ON | 2007/12/04<br>15:40 |
| S26 | 3    | ("4895713"   "5653951"   "5780101").PN. OR ("7018600").URPN.                                | US-PGPUB;<br>USPAT; USOCR  | ADJ | ON | 2007/12/04<br>15:55 |
| S27 | 959  | 423/447.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2007/12/04<br>15:57 |
| S28 | 1204 | S19 or S20 or S27 and black and fiber   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2007/12/04<br>15:57 |
| S29 | 215  | S28 and carbon black  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2007/12/04<br>15:57 |

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| S30 | 60  | S29 and nickel and iron and molybdenum                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/04<br>15:58 |
| S31 | 131 | ((RICHARD) near2 (SWALLEY)).INV.                                       | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>16:25 |
| S33 | 75  | S31 and (carbon black)   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>16:32 |
| S34 | 65  | S33 and perpendicular  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>16:33 |
| S35 | 63  | S34 and "%"  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>16:44 |
| S36 | 39  | S34 and "99%"  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2007/12/04<br>16:48 |
| S37 | 1   | (US-20020098135-\$).did.   | US-PGPUB  | ADJ | ON | 2007/12/05<br>09:25 |
| S38 | 1   | S37 and (rope or nanorope or fiber or nanofiber SAME diameter SAME nm) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>09:25 |
| S39 | 89  | 08/687,665   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>09:26 |
| S40 | 89  | 08/687665  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>09:26 |

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| S41 | 1   | S37 and ((rope or nanorope or fiber or nanofiber) SAME diameter SAME nm) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>09:32 |
| S42 | 246 | carbon nanotube SAME method SAME (hour or hr)                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>11:26 |
| S43 | 12  | carbon nanotube SAME method SAME (hour or hr) SAME CVD                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>11:27 |
| S44 | 31  | carbon nanotube SAME method SAME (hour or hr) SAME argon                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>11:29 |
| S45 | 1   | carbon black SAME reduction SAME oxidation SAME v/v                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>11:43 |
| S46 | 230 | purif\$ SAME nanotube SAME oxidation                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>11:52 |

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| S47 | 2       | "20020054849"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/12/05<br>12:39 |
| S48 | 15      | (US-20060002842-\$ or US-20060008408-\$ or US-20050260120-\$ or US-20030086859-\$ or US-20020098135-\$).did. or (US-6156256-\$ or US-5458784-\$ or US-6986877-\$ or US-7048904-\$ or US-7018600-\$ or US-6183714-\$ or US-7261871-\$).did. or (JP-2001019413-\$ or JP-2001098430-\$).did. or (JP-2002105765-\$).did. | US-PGPUB;<br>USPAT; JPO;<br>DERWENT                                     | ADJ | ON | 2007/12/05<br>12:41 |
| S55 | 1       | "6361900".PN.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/08/03<br>15:28 |
| S56 | 1779562 | (nanofiber or (nano fiber) or (carbon fiber) or fiber or nanotube)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT             | ADJ | ON | 2008/08/03<br>15:35 |
| S57 | 18216   | S56 and (carbon black or (carbon-black)) and (nickel or ni)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT             | ADJ | ON | 2008/08/03<br>15:36 |
| S58 | 6899    | S57 and (nanometer or nm)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT             | ADJ | ON | 2008/08/03<br>15:41 |
| S59 | 6899    | S58 and pd<="20021212"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT             | ADJ | ON | 2008/08/03<br>15:42 |
| S60 | 6899    | S58 and py<="2002"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT             | ADJ | ON | 2008/08/03<br>15:42 |

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| S61 | 1839 | S58 and @py<="2002"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/03<br>15:42 |
| S62 | 382  | S61 and (nanofiber or (nano fiber) or (carbon fiber) or fiber or nanotube).<br>clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/03<br>15:43 |
| S63 | 210  | S62 and hydrocarbon   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/03<br>15:44 |
| S64 | 63   | S62 and (nanofiber or (nano fiber) or (carbon fiber) or fiber or nanotube).<br>ti.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/03<br>16:05 |

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